

INTERNATIONAL SEARCH REPORT

PCT/GB2004/002101

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C323/62 C07D213/70 C07D333/38 A61K31/10 A61K31/44
A61K31/4436 A61K31/381 A61P35/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07C C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BEILSTEIN Data, WPI Data, BIOSIS, EMBASE, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 898 870 A (NARUTOMI YUJI ET AL) 6 February 1990 (1990-02-06) cited in the application the whole document	1-49
A	WO 99/35128 A (UNIV MARYLAND AT BALTIMORE COU) 15 July 1999 (1999-07-15) cited in the application the whole document	1-49
A	DATABASE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; XP002297491 retrieved from Xfire accession no. BRN 5300594, 5139287, 5137246 abstract & J ORG CHEM USSR, 1984, pages 1818-1827, ----- -/-	1

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

28 September 2004

Date of mailing of the international search report

08/10/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>DATABASE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; XP002297492 retrieved from Xfire accession no. BRN 5133758 abstract & J ORG CHEM USSR, vol. 21, no. 11, 1985, pages 2230-2235,</p>	1
A	<p>DATABASE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; XP002297493 retrieved from Xfire accession no. BRN 4489731 abstract & CHEM HETEROCYCL COMPD, 1988, pages 805-812,</p>	1
X	<p>DATABASE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; XP002298184 accession no. BRN 2047546 abstract & BIOCHEM PHARMACOL, vol. 52, no. 8, 1996, page 1227,</p>	1-30
X	<p>DATABASE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; XP002298185 accession no. BRN 7543266 abstract & J MED CHEM, vol. 39, no. 18, 1996,</p>	1-30
X	<p>DATABASE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; XP002298186 accession no. BRN 1994106 abstract & ARZNEIM FORSCH, vol. 30, no. 4a, 1980, pages 695-702,</p>	1-30
X	<p>DATABASE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; XP002298187 accession no. BRN 3593422 abstract & J MED CHEM, vol. 33, no. 3, 1990, pages 1077-1083,</p>	1-30
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; XP002298188 accession no. BRN 246624 abstract & ARZNEIM FORSCH, vol. 30, no. 4a, 1980, pages 695-702,</p>	1-30
X	<p>DATABASE BEILSTEIN BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; XP002298189 accession no. BRN 2334448 abstract & J AGRIC FOOD CHEM, vol. 48, no. 12, 2000, pages 5913-5923,</p>	1-30

INTERNATIONAL SEARCH REPORT

International application No.
PCT/GB2004/002101

Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
Although claim 32 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

PCT/GB2004/002101

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4898870	A	06-02-1990	JP 63215628 A	08-09-1988
			JP 2103715 C	22-10-1996
			JP 8005791 B	24-01-1996
			JP 63041421 A	22-02-1988
			JP 1029313 A	31-01-1989
			JP 63048215 A	29-02-1988
			CA 1302275 C	02-06-1992
			EP 0262345 A2	06-04-1988
WO 9935128	A	15-07-1999	US 5969174 A	19-10-1999
			AU 2028399 A	26-07-1999
			CA 2317565 A1	15-07-1999
			EP 1051396 A1	15-11-2000
			WO 9935128 A1	15-07-1999